

# [DC LEVEL WANDERING CANCELLATION CIRCUIT]

## Abstract

A DC level wandering cancellation circuit is provided. The DC level wandering cancellation circuit comprises a low pass filter, for receiving an input voltage; a high pass filter coupled to the low pass filter; an amplifier coupled to the high pass filter for receiving a reference voltage and an output signal of the high pass filter; a comparator coupled to the amplifier for receiving an output signal of the amplifier to compare the reference voltage with the output signal of the amplifier; a resistor coupled between outputs of the high pass filter and the amplifier; a control logic coupled to the comparator for receiving a compared result from the comparator; and a switching means coupled between the high pass filter and the output of the amplifier. The switching means is turned on for a predetermined interval by the control logic according to the compared result.